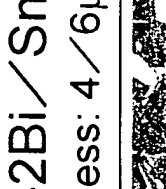
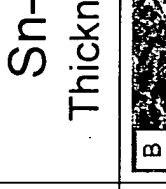
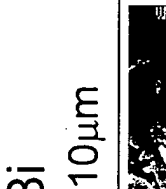



Lead Metallization		
<p>Sn-1Bi Thickness: 10μm</p> 	<p>Sn-2Bi/Sn Thickness: 4/6μm</p> 	<p>Lead Side</p>
<p>Substrate Electrode Side</p> 		<p>Substrate Electrode Side</p>
<p>Bi distribution</p>	<p>Homogeneous</p>	<p>Heterogeneous</p>

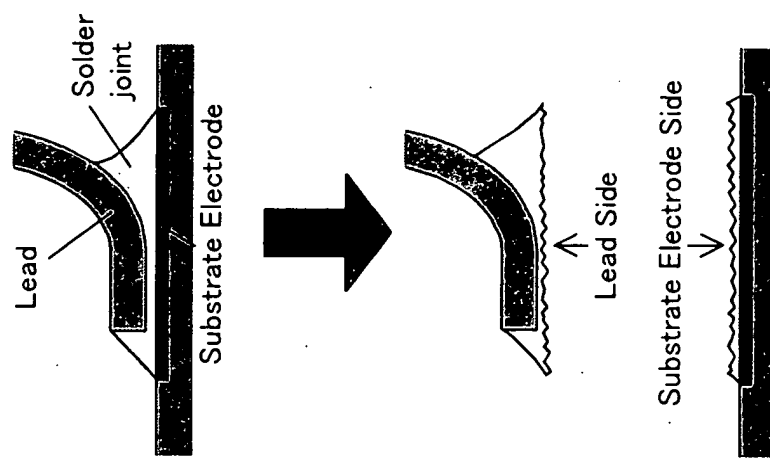


Figure 1 Fracture surface of solder joint (1)

Solder: Sn-2.8Ag-15Bi Lead: 42 Alloy